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(74) **Agents:** **DE GREGORI, Antonella** et al.; Ing. Barzano' & Zanardo Milano S.p.A., Via Borgonuovo 10, I-20121 Milan (IT).

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**(84) Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

(26) **Publication Language:** English

**(30) Priority Data:**  
MI2004A000648      31 March 2004 (31.03.2004)      IT

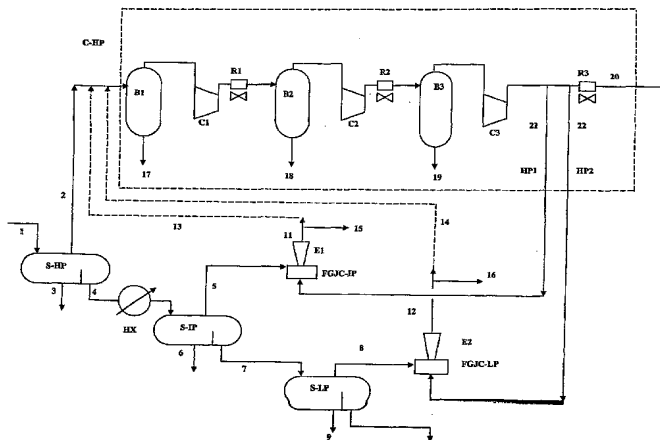
**(71) Applicant (for all designated States except US): SAIPEM S.p.A.** [IT/IT]; Via Martiri di Cefalonia 67, I-20097 San Donato Milanese-Milan (IT).

**(72) Inventors; and**

**(75) Inventors/Applicants (for US only): ORESTI, Pierluigi** [IT/IT]; Via F.lli Vigorelli 3, I-20090 Segrate-Milan (IT). **AGOGLIATI, Piera** [IT/IT]; Via Torino 93, I-20089 Rozzano-Milan (IT).

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**(54) Title:** A PROCESS FOR THE TREATMENT OF FLUIDS ORIGINATING FROM SUBMARINE OIL FIELDS



**(S7) Abstract:** Process for treating on floating units fluid from submarine oil fields, including the following stages: -delivering the fluid (1) to a high pressure separation stage (S-HP) in which the fluid is split into a light hydrocarbon gas phase (2), a water phase (3) and a hydrocarbon liquid phase (4); -delivering the light hydrocarbon gases (2) to a gas reinjection compression unit (C-HP), having at least two compression stages (C1,C2,C3); -delivering the hydrocarbon liquid (4) to one or more-further separation stage: operating at decreasing pressures (S-IP and S-LP), where said liquid (4) is split into a light hydrocarbon gas phase (5,8), a water phase (6,9) and a liquid hydrocarbon phase (7); -delivering the light hydrocarbon gases (5,8) to compression units "Flash Gas Jet Compression" (FGJC), comprising ejectors (E1,E2) which use the compressed gas (21,22) from the gas reinjection compression unit (C-HP) as driving fluid.



**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**(48) Date of publication of this corrected version:**

8 December 2005

**(15) Information about Correction:**

see PCT Gazette No. 49/2005 of 8 December 2005, Section II